

FIG.1

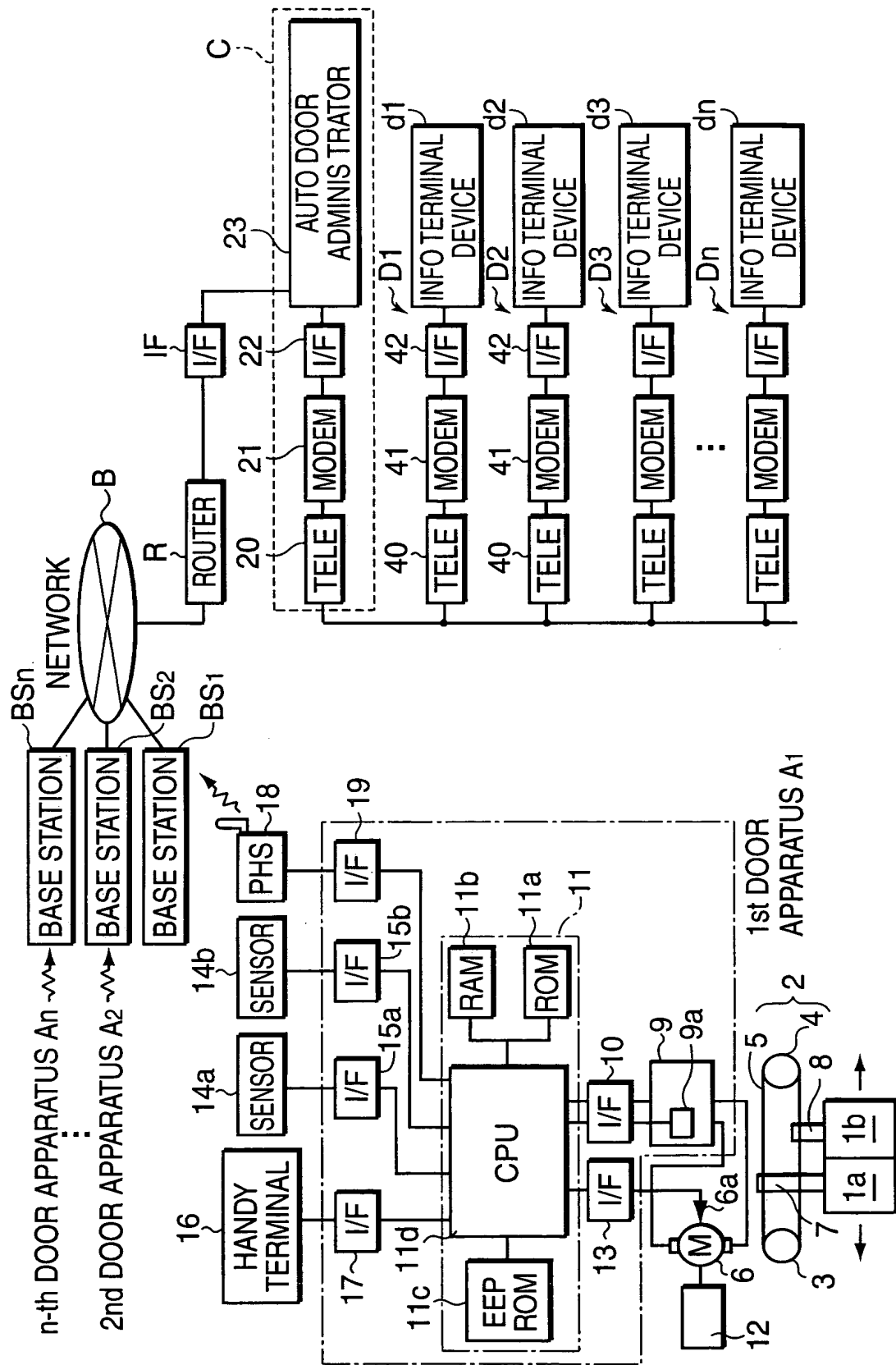


FIG.2

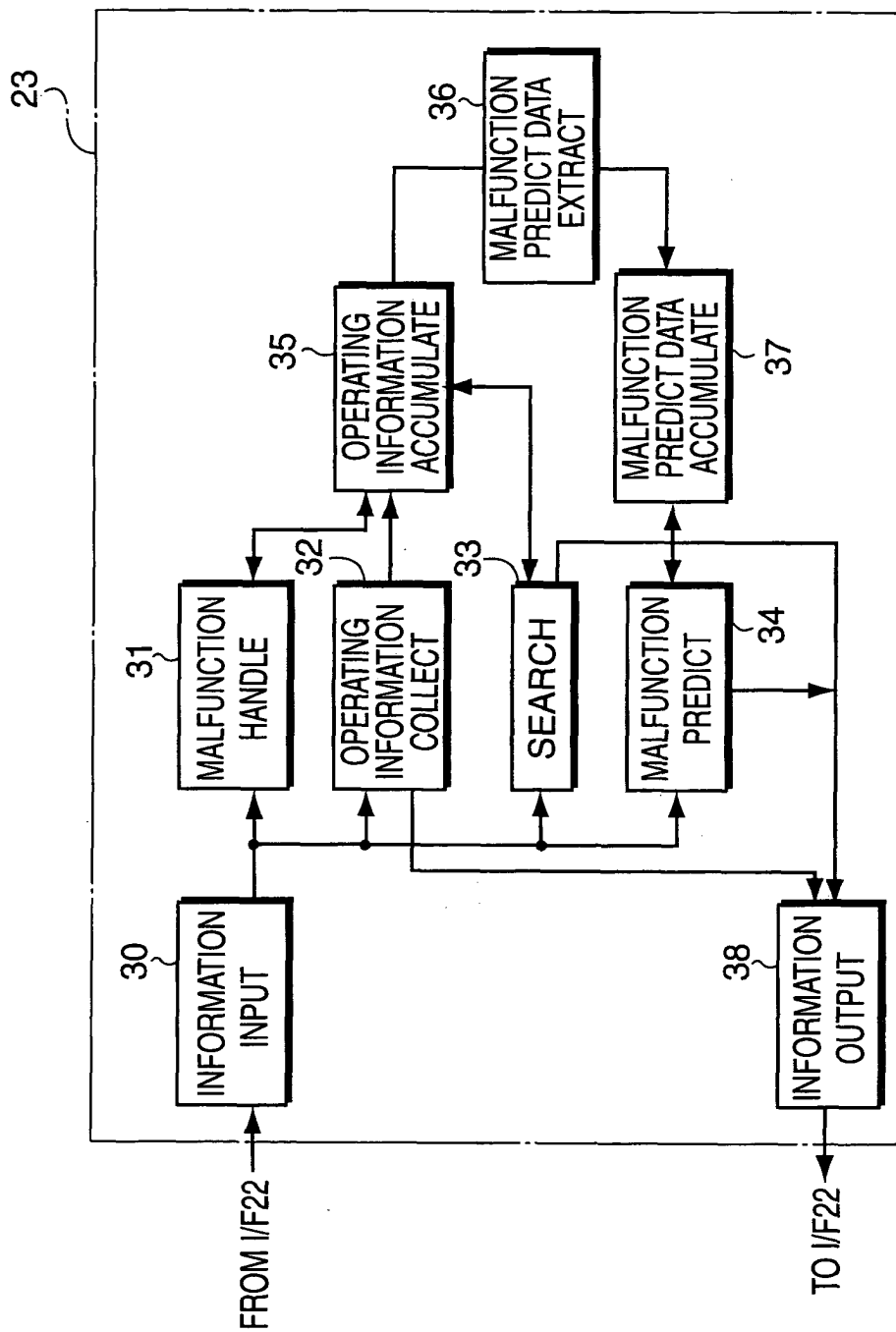


FIG.3A

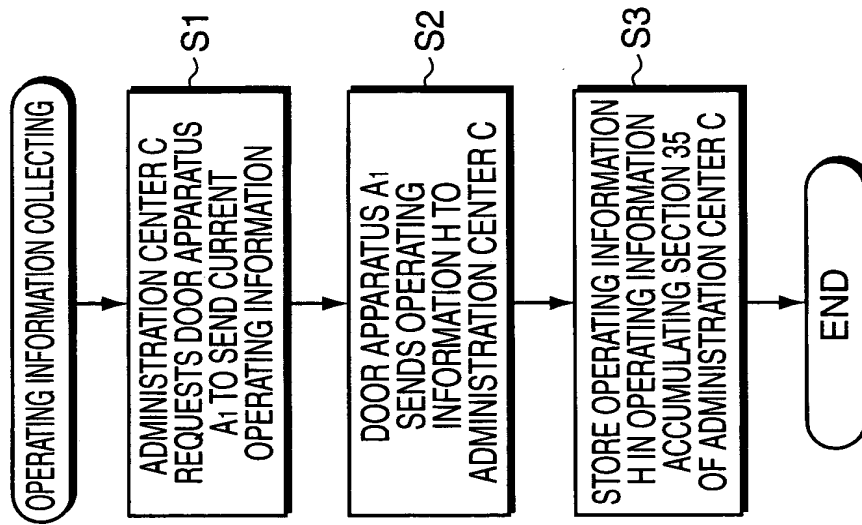


FIG.3B

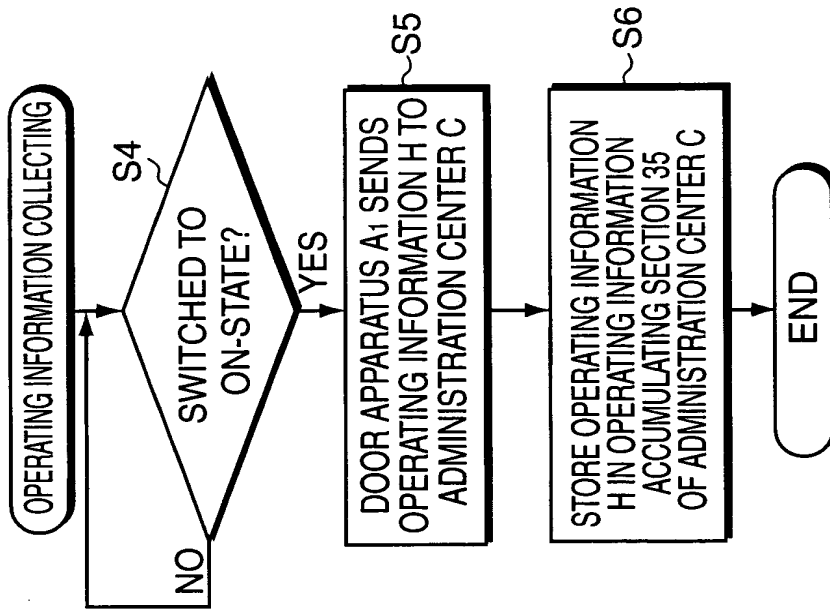


FIG.4A

OCCURRENCE OF ABNORMALITY					
<div>⚠ ABNORMALITY TOOK PLACE</div> <div>DATE & TIME: YY/MM/DD hr:min</div> <div>DOOR APPARATUS ID NO.: 123456789</div> <div>CONTENTS OF ABNORMALITY:BELT BREAKAGE</div>					
SPECIFIC DOOR INFORMATION	OPERATION HISTORY	HANDLING CASE	CLIENT INFORMATION	CONTACT MAINTENANCE AGENT	CONTENTS OF DIAGNOSIS
ENGINE TYPE		DS-21-N			
DOOR TYPE		SLIDE DOOR			
INSTALLATION DATE		YY/MM/DD			
PERSONNEL IN CHARGE OF INSTALLATION		AA			
FINAL CHECKUP DATE		YY/MM/DD			
CHECKUP CONTENTS		PERIODIC CHECKUP			
FINAL CHECKUP PERSONNEL		BB			
MANUFACTURER					
REMARKS					
					DETAIL INFORMATION

FIG.4B

DATE & TIME		OPERATION	RESULT
YY/MM/DD hr:min		START	SELF-CHECK CLEARED
YY/MM/DD hr:min		STOP	
YY/MM/DD hr:min		START MAINTENANCE MODE	
YY/MM/DD hr:min		FINISH MAINTENANCE MODE	
YY/MM/DD hr:min		START	SELF-CHECK CLEARED
YY/MM/DD hr:min		STOP	
YY/MM/DD hr:min		START	SELF-CHECK CLEARED
YY/MM/DD hr:min		STOP	
YY/MM/DD hr:min		START	SELF-CHECK CLEARED
YY/MM/DD hr:min		STOP	

RESET

OPERATING INFORMATION

FIG.4C

HANDLING CASE
EXAMPLES OF HANDLING PROBLEM OF BELT BREAKAGE
1. xxxxxxxxxxxxxxxxxxxx
2. xxxxxxxxxxxxxxxxxxxx
3. xxxxxxxxxxxxxxxxxxxx

FIG.5A

OPERATING INFORMATION

OPERATING INFORMATION MAIN SEARCH

SEARCH KEYWORD

ENGINE TYPE

CLIENT NAME

AREA

BUILDER

INSTALLATION YEAR

DS-21-N

ALL

ALL

ALL

1999

50a

50b

50c

50d

50e

NOW

START SEARCH

SEARCH RESULT

ENGINE TYPE	AREA	CLIENT NAME	INSTALLATION YEAR

50f

PRINT SEARCH RESULT

END

FIG.5B

OPERATING INFORMATION

DOOR APPARATUS ID NO.123456789

OPERATING INFORMATION MAIN SEARCH

SPECIFIC DOOR INFORMATION	OPERATION HISTORY	MAINTENANCE HISTORY	CLIENT INFORMATION
DOOR APPARATUS ID NO.		123456789	
ENGINE TYPE		DS-21-N	
DOOR TYPE		SLIDE DOOR	
INSTALLATION DATE		YY/MM/DD	
PERSONNEL IN CHARGE OF INSTALLATION		AA	
MANUFACTURER			
REMARKS			
DESIGNATED VALUE			

51a

51b

PRINT CATALOG INFORMATION

CLOSE

FIG.6A

MAINTENANCE
HISTORY

SEARCH PERIOD
 1997 ▼
01 ▼
01 ▼
 ~
 1997 ▼
01 ▼
01 ▼

DATE & TIME	HANDY TERMINAL NO.	REPORT NO.
YY/MM/DD hr:min		MR1234
YY/MM/DD hr:min		MR1235

PRINT

FIG.6B

OPERATION
HISTORY

SEARCH PERIOD
 1997 ▼
01 ▼
01 ▼
 ~
 1997 ▼
01 ▼
01 ▼

DISPLAY CONTENTS ALL ▼

DATE & TIME	OPERATION	RESULT
YY/MM/DD hr:min	START	SELF-CHECK CLEARED
YY/MM/DD hr:min	STOP	
YY/MM/DD hr:min	START MAINTENANCE MODE	
YY/MM/DD hr:min	FINISH MAINTENANCE MODE	
YY/MM/DD hr:min	START	SELF-CHECK CLEARED
YY/MM/DD hr:min	STOP	
YY/MM/DD hr:min	START	SELF-CHECK CLEARED
YY/MM/DD hr:min	STOP	
YY/MM/DD hr:min	START	SELF-CHECK CLEARED
YY/MM/DD hr:min	STOP	

DETAIL
PRINT

FIG.7

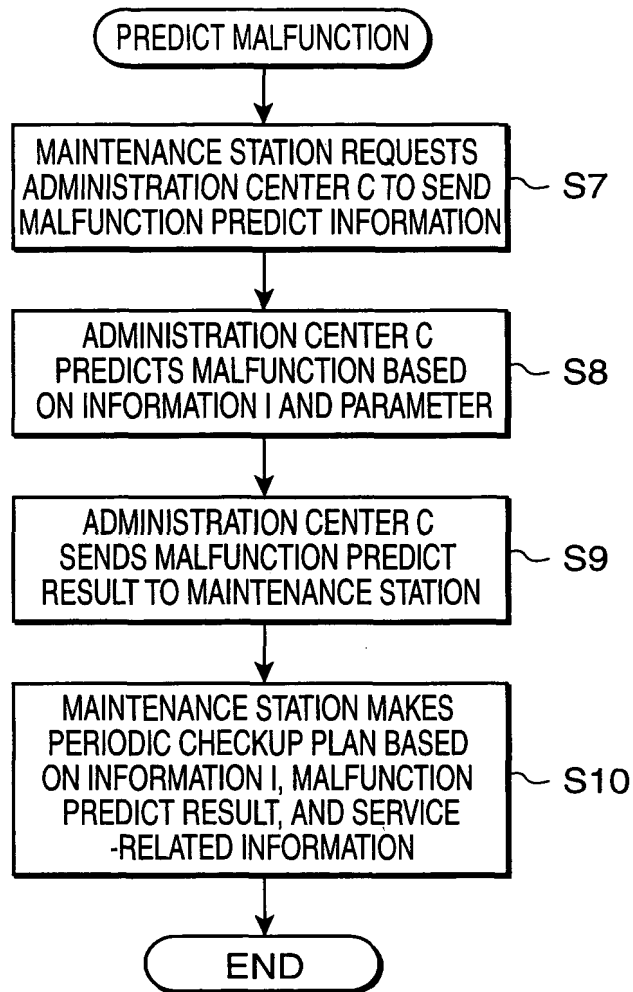


FIG.8A

OPERATING INFORMATION			
MALFUNCTION PREDICT MAIN SEARCH			
SEARCH KEYWORD			
ENGINE TYPE	DS-21-N		60a
EMERGENCY	MAXIMUM		60b
AREA	ALL		60c
SEARCH PERIOD	JANUARY, 2001	MARCH, 2001	60d
			60e
SEARCH RESULT			
ENGINE TYPE	AREA	CLIENT NAME	INSTALLATION YEAR
PRINT SEARCH RESULT			END

FIG.8B

OPERATING INFORMATION			
DOOR APPARATUS ID NO.123456789			
MALFUNCTION PREDICT MAIN SEARCH			
SPECIFIC DOOR INFORMATION	OPERATION HISTORY	MAINTENANCE HISTORY	PREDICT CONTENTS
DOOR APPARATUS ID NO.		123456789	
ENGINE TYPE		DS-21-N	
DOOR TYPE		SLIDE DOOR	
INSTALLATION DATE		YY/MM/DD	
PERSONNEL IN CHARGE OF INSTALLATION		AA	
MANUFACTURER			
REMARKS			
DESIGNATED VALUE			
		PRINT CATALOG INFORMATION	
CLOSE			

FIG.9A

OPERATION HISTORY	
SEARCH PERIOD	1997 ▼ 01 ▼ 01 ▼ ~ 1997 ▼ 01 ▼ 01 ▼
DISPLAY CONTENTS	ALL ▼
DATE & TIME	OPERATION
YY/MM/DD hr:min	START
YY/MM/DD hr:min	STOP
YY/MM/DD hr:min	START MAINTENANCE MODE
YY/MM/DD hr:min	FINISH MAINTENANCE MODE
YY/MM/DD hr:min	START
YY/MM/DD hr:min	STOP
YY/MM/DD hr:min	START
YY/MM/DD hr:min	STOP
YY/MM/DD hr:min	START
YY/MM/DD hr:min	STOP
<div>DETAIL</div> <div>PRINT</div>	

FIG.9B

MAINTENANCE HISTORY	
SEARCH PERIOD	1997 ▼ 01 ▼ 01 ▼ ~ 1997 ▼ 01 ▼ 01 ▼
DATE & TIME	HANDY TERMINAL NO.
YY/MM/DD hr:min	
YY/MM/DD hr:min	
<div>PRINT</div>	

FIG.9C

PREDICT CONTENTS				
PREDICT CONTENTS	WITHIN 1 WEEK	WITHIN 1 MONTH	WITHIN 3 MONTHS	WITHIN 6 MONTHS
PROBABILITY OF NOISE DUE TO DOOR GEAR ABRASION	20%	30%	60%	100%
PROBABILITY OF NOISE DUE TO RAIL ABRASION	5%	20%	40%	60%
⋮				

FIG.10

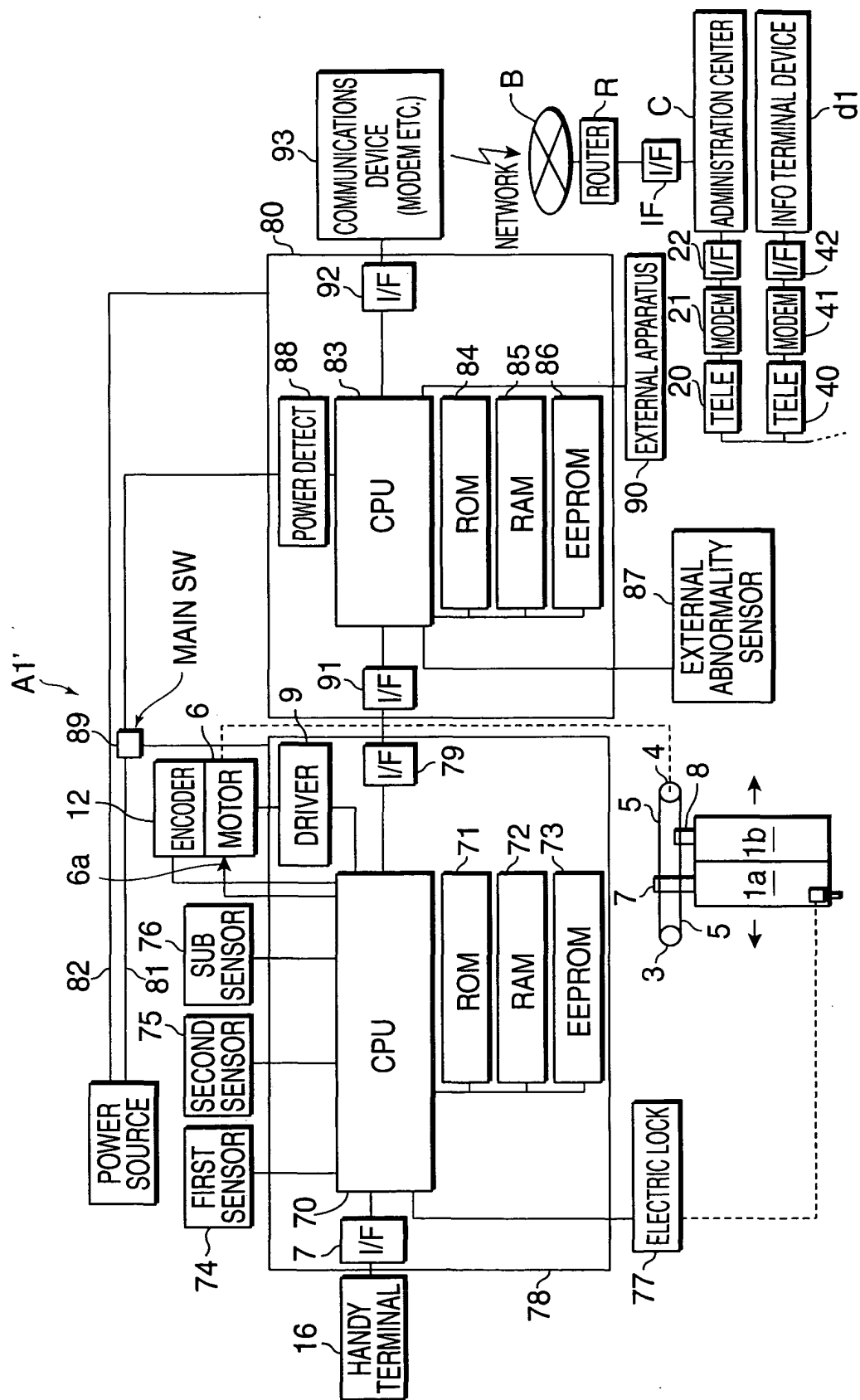


FIG.11

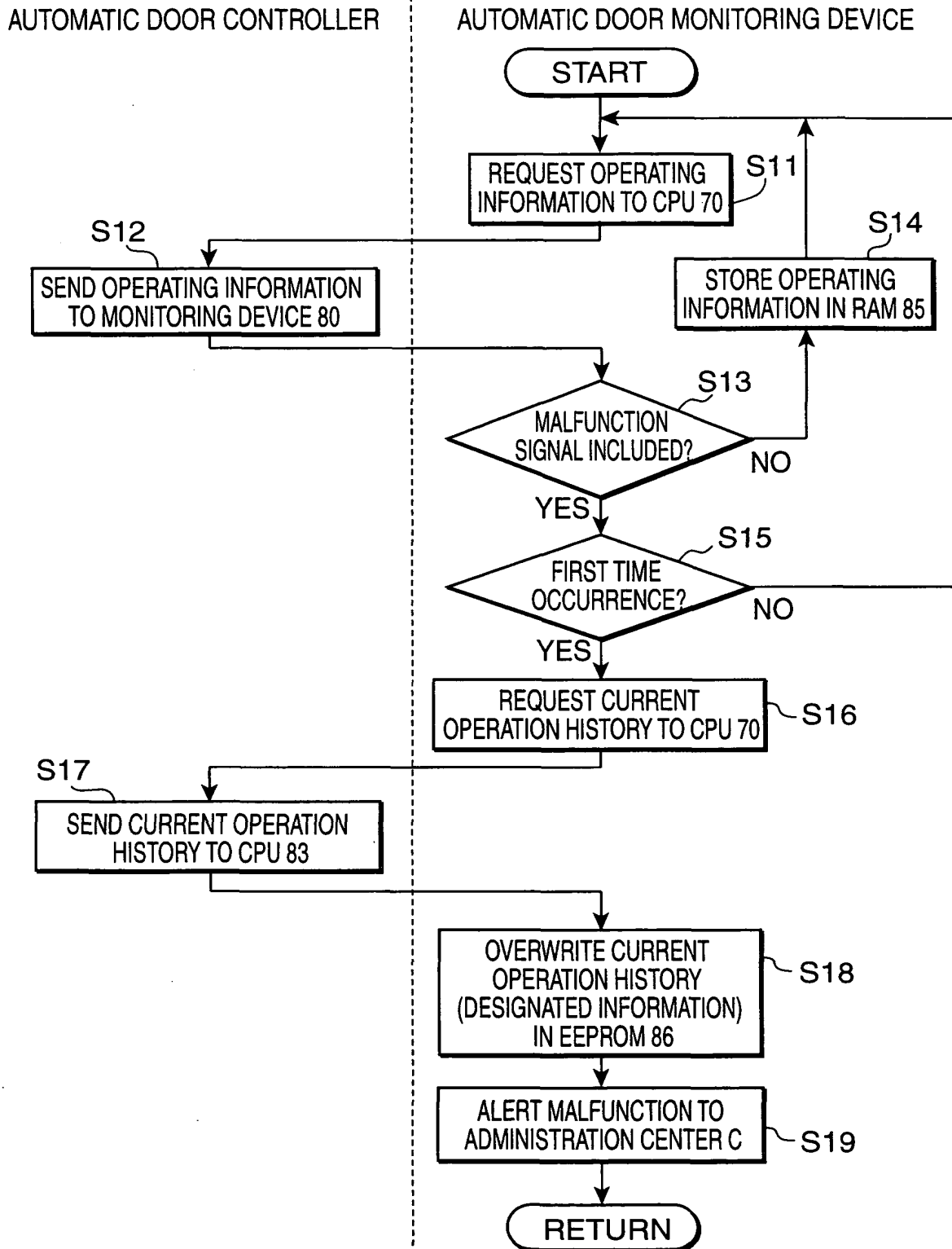


FIG.12

SAFETY RETURN NO.	6
TEMPERATURE SENSOR OPERATED NO.	1
CHECKUP NO.	5
DOOR OPEN/CLOSE NO.	5617
CPU RESET NO.	1

FIG.13

OPENING SPEED (0~7)	7
CLOSING SPEED (0~7)	7
OPEN TIMER (0~3)	1
START TORQUE (0~3)	7
BRAKE TORQUE (0~3)	7
INVERSE TORQUE	5
OPEN CUSHION SPEED (0~3)	2
CLOSE CUSHION SPEED (0~3)	2

FULL-OPEN STROKE (0~100)	92
HALF-OPEN STROKE (0~100)	50

FIG.14

